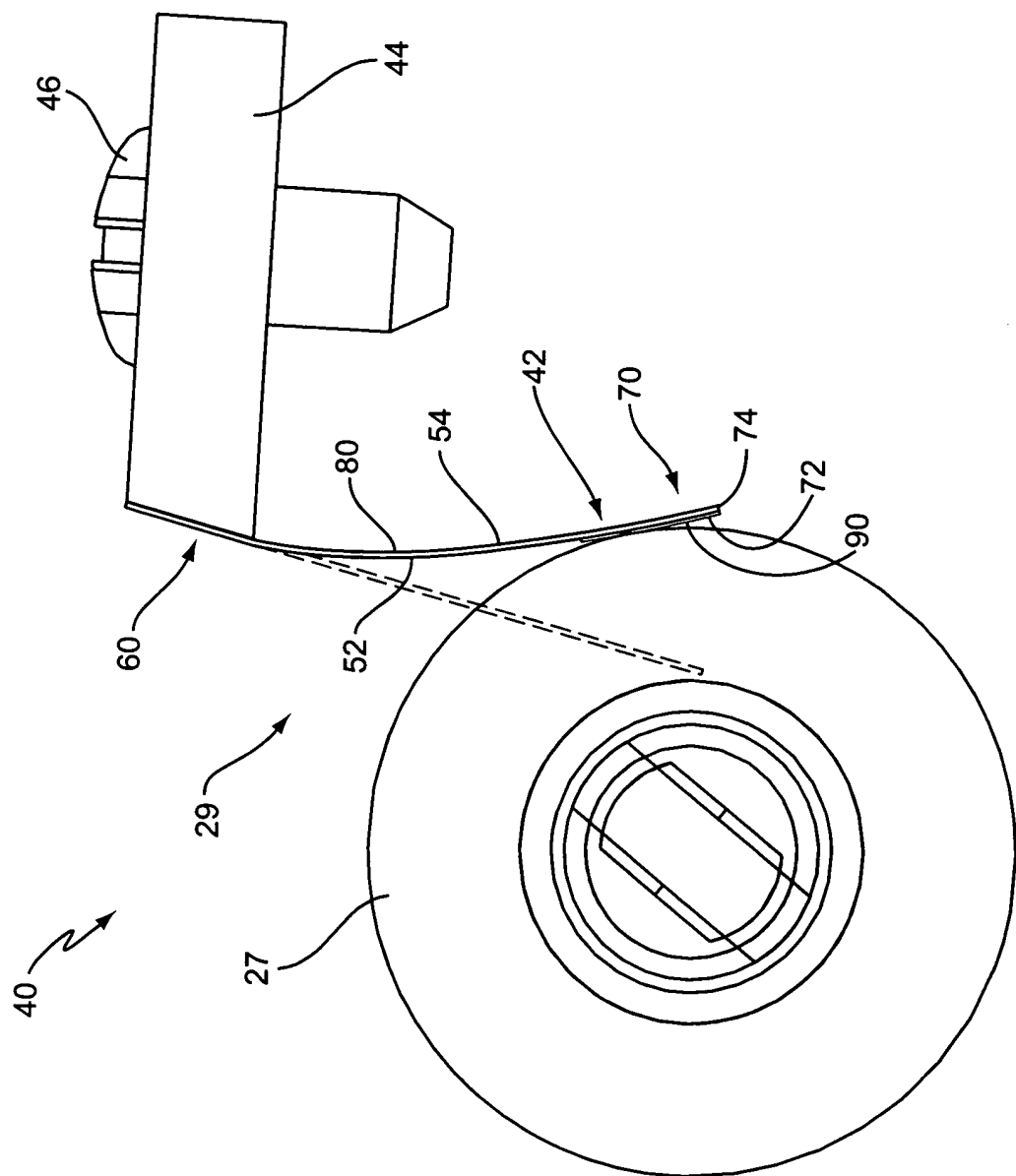


FIG. 2



**FIG. 3**

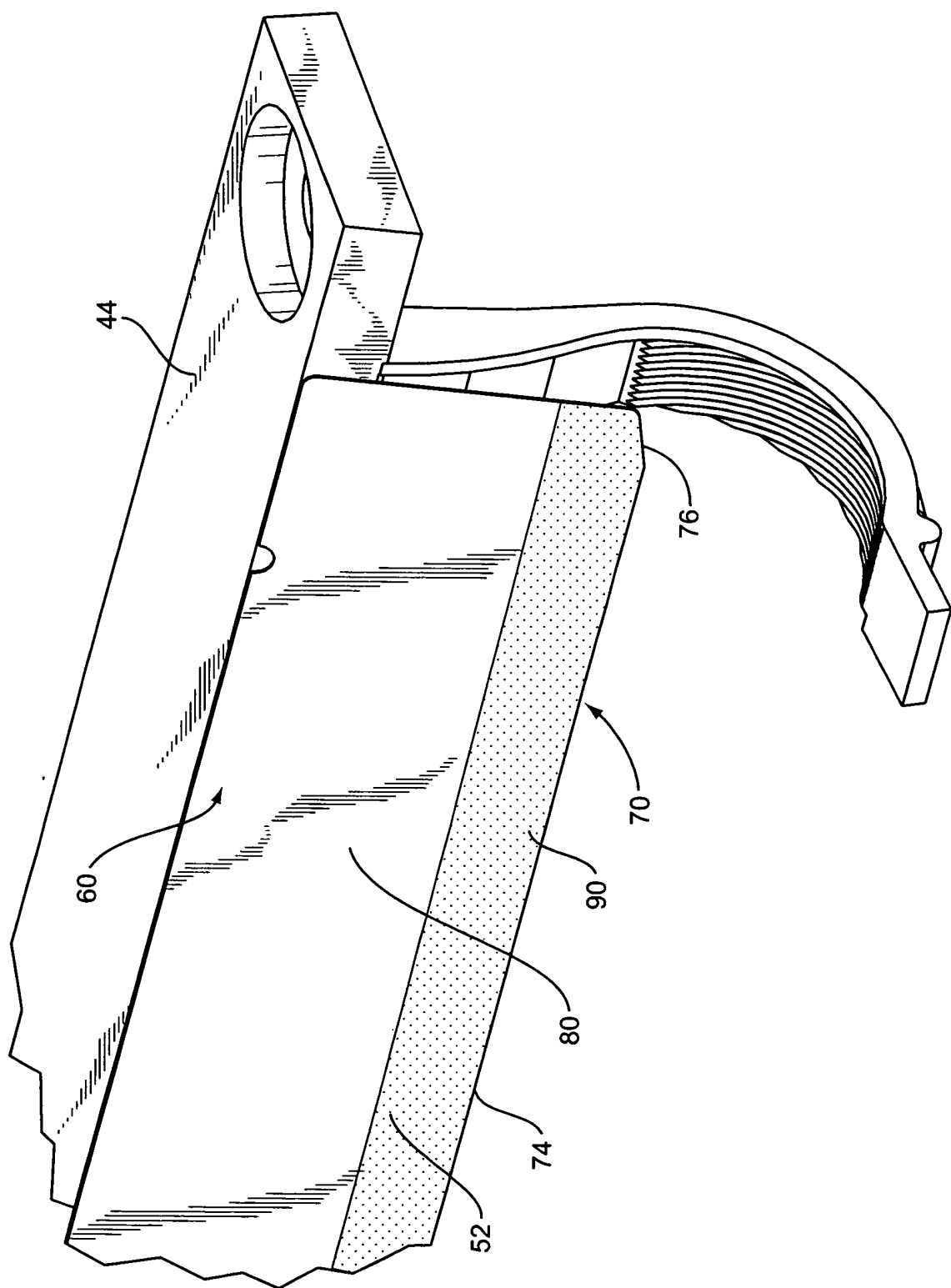


FIG. 4

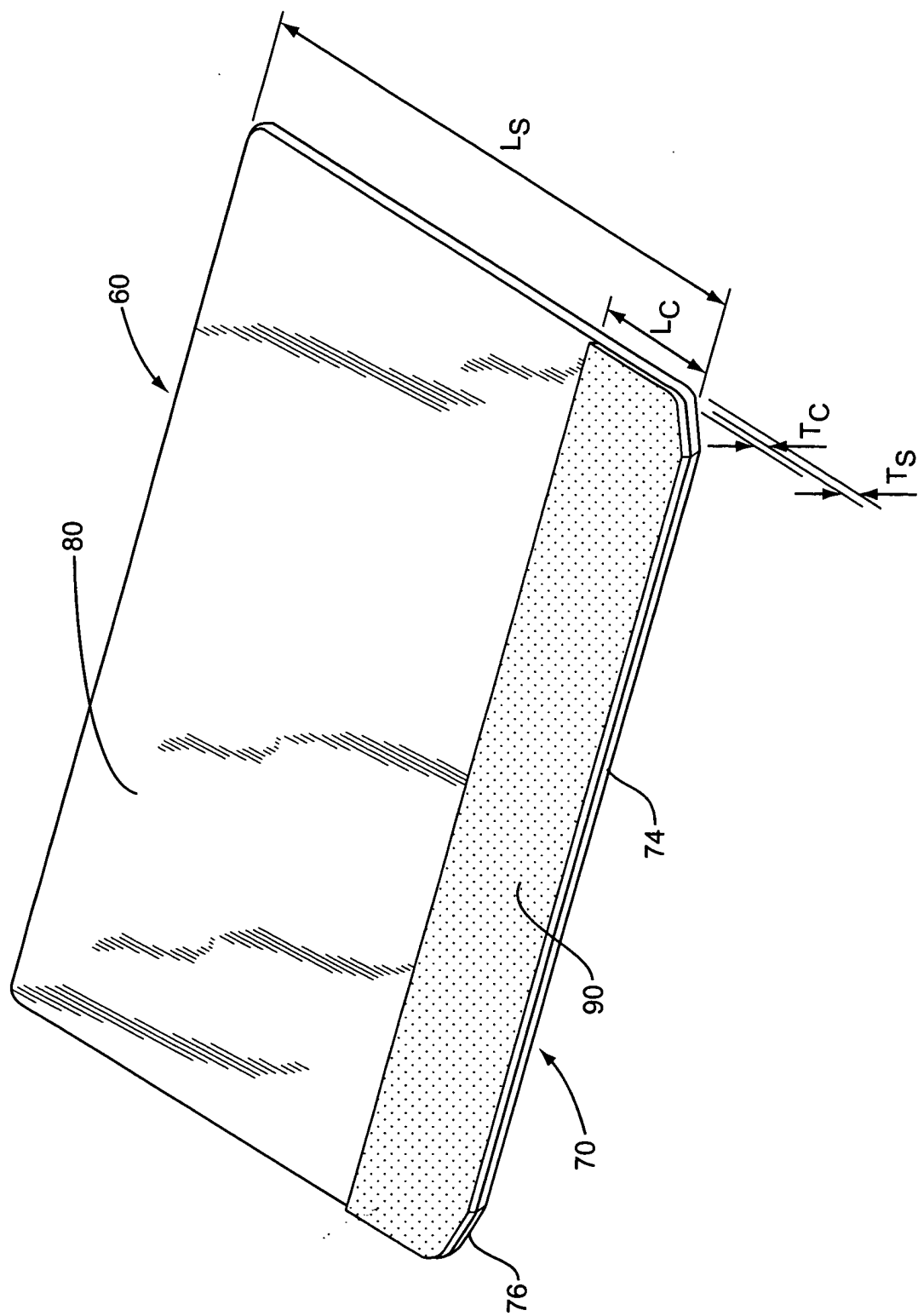
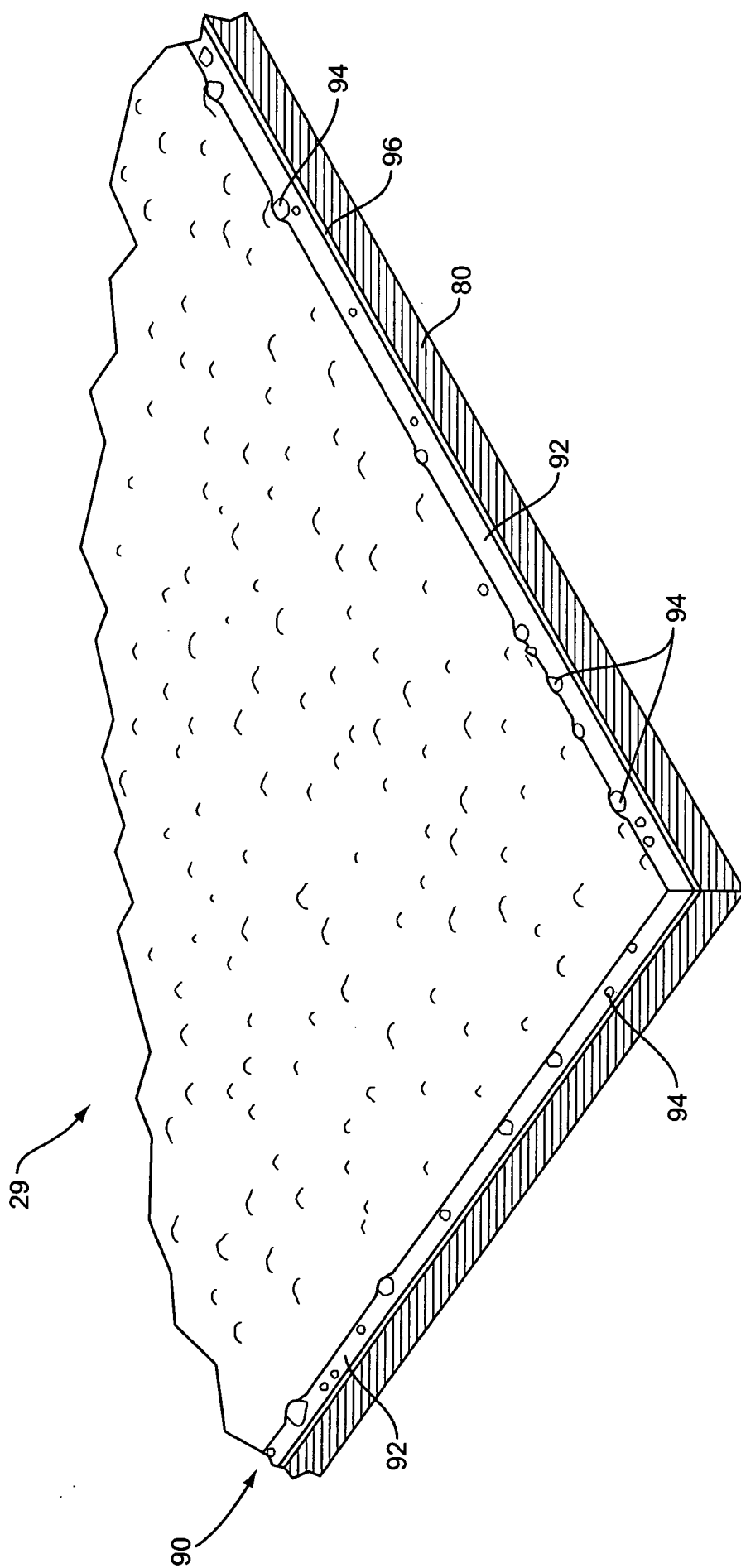


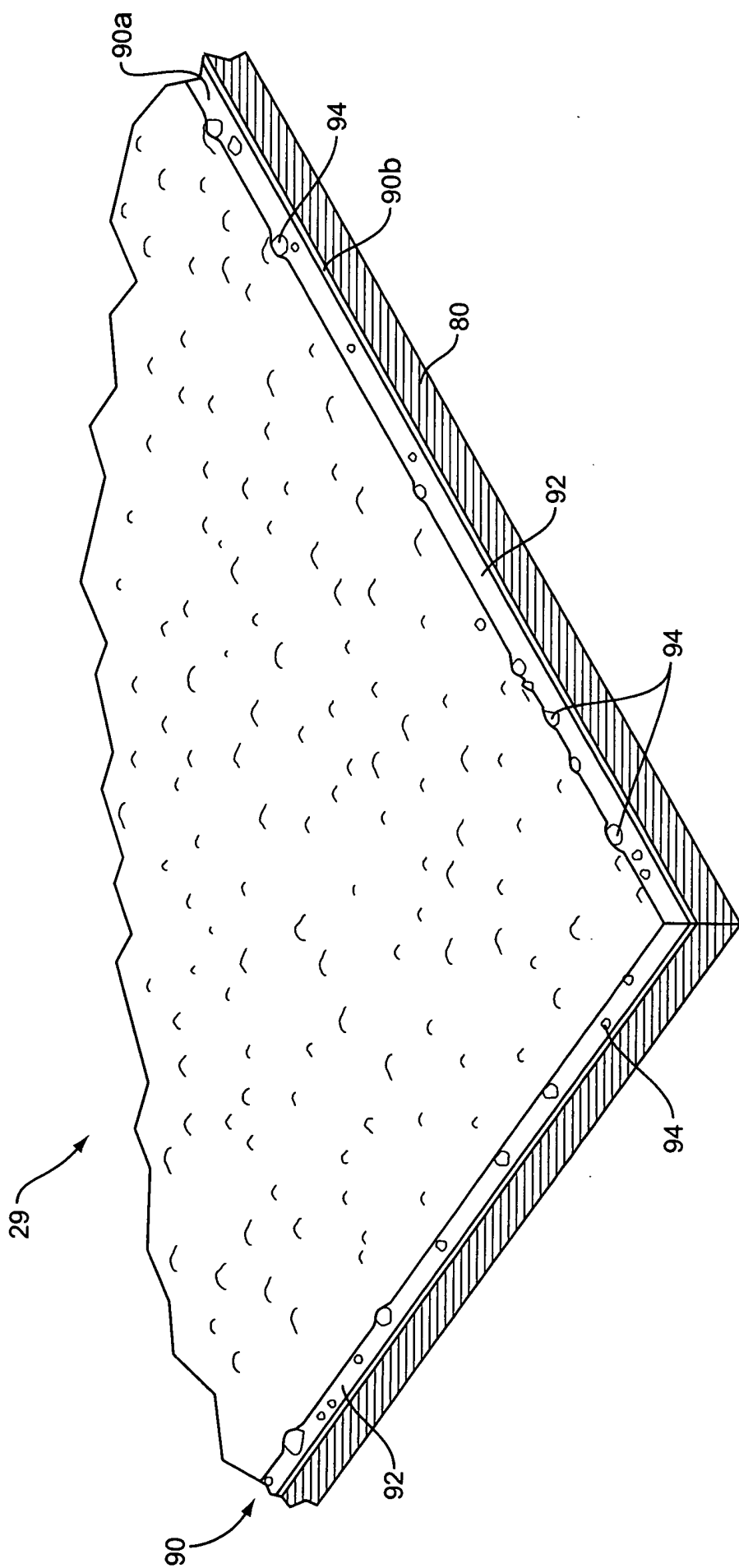
FIG. 5



**FIG. 6**

| <b>Material</b>                          | <b>Parts</b> | <b>Supplier</b>     | <b>Location</b>  |
|--|--------------|---------------------|------------------|
| Adhesive CL-688 Adcote (polyester resin) | 52.61        | Rohm and Haas       | Philadelphia, PA |
| Dioxane 1.4                              | 10.53        | EMD Chemicals       | Gibbstown, NJ    |
| Yelkins TS                               | 1.05         | Univar US           | Harrisburg, PA   |
| Aerosol OT 100%                          | 0.52         | Vopak USA           | Houston, TX      |
| Toluene                                  | 1.72         | Alfa Aesar          | Ward Hill, MA    |
| Grit NGC 8000 Nanko (silicon carbide)    | 23.73        | National Gypsum Co. | Charlotte, NC    |
| Black Pearls 2000 (carbon black)         | 2.56         | Cabot Corp.         | Billerica, MA    |
| Z Moly powder                            | 6.09         | Dow Corning         | Midland, MI      |
| CoReactant F                             | 1.18         | Rohm and Haas       | Philadelphia, PA |
| Metacure T-12                            | 0.01         | Air Products        | Rochester, NY    |
| <i>Total Parts</i>                       | <i>100</i>   |                     |                  |

**FIG. 7**



**FIG. 8**